

04/21/2006 10/763,588 Guerrero

=> d his full

(FILE 'HOME' ENTERED AT 16:16:20 ON 21 APR 2006)

FILE 'INSPEC' ENTERED AT 16:16:43 ON 21 APR 200

L1	0	SEA	ABB=ON	PLU=ON	(AL2O3 SS(S)ALN SS(S)GAN SS)/CHI
L2	0	SEA	ABB=ON	PLU=ON	(AL2O3 SS(S)ALN BIN(S)GAN BIN)/CHI
L3	50	SEA	ABB=ON	PLU=ON	(AL2O3 BIN(S)ALN BIN(S)GAN BIN)/CHI
L4	119479	SEA	ABB=ON	PLU=ON	?EPITAX?
L5	44	SEA	ABB=ON	PLU=ON	L3 AND L4
L6	20922	SEA	ABB=ON	PLU=ON	TRENCH? OR GROOV?
L7	0	SEA	ABB=ON	PLU=ON	L5 AND L6
L8	90097	SEA	ABB=ON	PLU=ON	ETCH? OR CHASE? OR CHASING OR ENCHAS? OR ENGRAV? OR EMBOSS? OR ENCAUST? OR INCIS? OR IMPRINT? OR IMPRESS?
L9	1	SEA	ABB=ON	PLU=ON	L5 AND L8 D IALL
L10	32	SEA	ABB=ON	PLU=ON	L5 AND PY>=1999
L11	12	SEA	ABB=ON	PLU=ON	L5 NOT (L10 OR L9) D IALL 1-12

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(FILE 'HOME' ENTERED AT 10:16:00 ON 21 APR 2006)

FILE 'CAPLUS' ENTERED AT 10:16:41 ON 21 APR 2006

L1 0 SEA ABB=ON PLU=ON 20040152321/PN
L2 1 SEA ABB=ON PLU=ON US20040152321/PN
SEL RN
L3 295921 SEA ABB=ON PLU=ON (1344-28-1/BI OR 24304-00-5/BI OR 25617-97-4/BI)
L4 1 SEA ABB=ON PLU=ON L2 AND L3
D IBIB ABS HITSTR HITIND
E TRENCH/CT
E ETCHED TRENCH/CT
L5 1737 SEA ABB=ON PLU=ON (ETCH? OR CHASE? OR CHASING OR ENCHAS? OR ENGRAV? OR EMBOSS OR ENCAUST? OR INCIS OR IMPRINT? OR IMPRESS?)
(2W) TRENCH
L6 35 SEA ABB=ON PLU=ON L3 AND L5
L7 35 SEA ABB=ON PLU=ON L6 NOT L2
L8 0 SEA ABB=ON PLU=ON L7 AND POST
L9 22843 SEA ABB=ON PLU=ON TRENCH?
L10 274585 SEA ABB=ON PLU=ON (ETCH? OR CHASE? OR CHASING OR ENCHAS? OR ENGRAV? OR EMBOSS OR ENCAUST? OR INCIS OR IMPRINT? OR IMPRESS?)

L11 216092 SEA ABB=ON PLU=ON POST

L12 37369 SEA ABB=ON PLU=ON SIDEWALL OR SIDE(W)WALL

L13 10323 SEA ABB=ON PLU=ON SAPPHIRE(5W)SUBSTRATE
L14 27259 SEA ABB=ON PLU=ON GAN
L15 3 SEA ABB=ON PLU=ON L3 AND L9 AND L10 AND L11 AND L12
L16 2 SEA ABB=ON PLU=ON L15 NOT L2
D IBIB ABS HITSTR 1-2
L17 50 SEA ABB=ON PLU=ON L3 AND L9 AND L10 AND L12
L18 47 SEA ABB=ON PLU=ON L17 NOT L15
L19 1 SEA ABB=ON PLU=ON L18 AND L13
D IBIB ABS HITSTR HITIND
L20 4 SEA ABB=ON PLU=ON L17 AND SAPPHIRE
L21 2 SEA ABB=ON PLU=ON L20 NOT (L15 OR L19)
D IBIB ABS HITSTR HITIND
D IBIB ABS HITSTR HITIND 2
L22 45 SEA ABB=ON PLU=ON L18 NOT L21
L23 42 SEA ABB=ON PLU=ON L22 AND PY>=1995
L24 3 SEA ABB=ON PLU=ON L22 NOT L23
D IBIB ABS HITSTR HITIND 1-3
L25 41 SEA ABB=ON PLU=ON L22 AND PY>=1999
L26 4 SEA ABB=ON PLU=ON L22 NOT L25
L27 1 SEA ABB=ON PLU=ON L26 NOT L24
D IBIB ABS HITSTR HITIND
L28 2 SEA ABB=ON PLU=ON L9 AND L10 AND L11 AND L12 AND L14
L29 10 SEA ABB=ON PLU=ON L9 AND L10 AND L12 AND L14
L30 1 SEA ABB=ON PLU=ON L29 NOT L17
D IBIB ABS HITSTR HITIND

FILE 'INSPEC, COMPENDEX' ENTERED AT 11:13:08 ON 21 APR 2006

L31 693 SEA ABB=ON PLU=ON L9 AND L10 AND L12
L32 33987 SEA ABB=ON PLU=ON GAN/ET
L33 11 SEA ABB=ON PLU=ON L31 AND L32

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L34 11970 SEA ABB=ON PLU=ON L13
L35 1 SEA ABB=ON PLU=ON L33 AND L34
D IALL
L36 10 SEA ABB=ON PLU=ON L33 NOT L35
L37 7 DUPLICATE REMOVE L36 (3 DUPLICATES REMOVED)
D IALL 1-7

FILE 'WPIX' ENTERED AT 11:21:27 ON 21 APR 2006

L38 3227 SEA ABB=ON PLU=ON L9 AND L10 AND L12

L39 2 SEA ABB=ON PLU=ON L13 AND L38
L40 1 SEA ABB=ON PLU=ON L39 NOT L2
D IFULL
L41 4 SEA ABB=ON PLU=ON L38 AND SAPPHIRE
L42 2 SEA ABB=ON PLU=ON L41 NOT L39
D IFULL 1-2
L43 8 SEA ABB=ON PLU=ON L38 AND (GAN OR (GA OR GALLIUM) (W) (N OR
NITRIDE))
L44 6 SEA ABB=ON PLU=ON L43 NOT (L41 OR L42 OR L2)
D IFULL 1-6
L45 3891 SEA ABB=ON PLU=ON (GAN OR (GA OR GALLIUM) (W) (N OR NITRIDE)) (L
) SEMICONDUCTOR
L46 414315 SEA ABB=ON PLU=ON L9 OR GROOV?
L47 159 SEA ABB=ON PLU=ON L45 AND L46
L48 37 SEA ABB=ON PLU=ON L47 AND L10
L49 8 SEA ABB=ON PLU=ON L48 AND L12
L50 1 SEA ABB=ON PLU=ON L49 NOT (L41 OR L42 OR L44)
D IFULL

FILE 'REGISTRY' ENTERED AT 12:09:04 ON 21 APR 2006

L51 105 SEA ABB=ON PLU=ON GA.N/MF OR GA N/ELF
L52 1 SEA ABB=ON PLU=ON SAPPHIRE/CN

FILE 'EPFULL, FRFULL, GBFULL, PATDPAFULL, PCTFULL, RDISCLOSURE,
USPATFULL, USPAT2' ENTERED AT 12:11:00 ON 21 APR 2006

L53 3879 SEA ABB=ON PLU=ON L51
L54 1313 SEA ABB=ON PLU=ON L52
L55 16987 SEA ABB=ON PLU=ON L45
L56 11131 SEA ABB=ON PLU=ON L13
L57 17234 SEA ABB=ON PLU=ON L53 OR L55
L58 11784 SEA ABB=ON PLU=ON L54 OR L56
L59 38955 SEA ABB=ON PLU=ON L10 (7W) (L46)
L60 729855 SEA ABB=ON PLU=ON L12
L61 176 SEA ABB=ON PLU=ON L57 AND L58 AND L59 AND L60

FILE 'EPFULL, GBFULL, PCTFULL, USPATFULL, USPAT2' ENTERED AT 12:20:32 ON
21 APR 2006

L62 133 DUP REM L61 (43 DUPLICATES REMOVED)
L63 132 SEA ABB=ON PLU=ON L62 AND PY>=1999
L64 1 SEA ABB=ON PLU=ON L62 NOT L63
D IBIB ABS HITIND
L65 30005 SEA ABB=ON PLU=ON (GAN OR (GA OR GALLIUM) (W) (N OR NITRIDE))

L66 30058 SEA ABB=ON PLU=ON L53 OR L65
L67 44738 SEA ABB=ON PLU=ON L54 OR SAPPHIRE
L68 7450 SEA ABB=ON PLU=ON L66 AND L67
L69 5455 SEA ABB=ON PLU=ON L68 AND L10

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L70	1684	SEA	ABB=ON	PLU=ON	L69 AND L46
L71	600	SEA	ABB=ON	PLU=ON	L70 AND L60
L72	178	SEA	ABB=ON	PLU=ON	L71 AND L11
L73	139	DUP	REM	L72	(39 DUPLICATES REMOVED)
L74	137	SEA	ABB=ON	PLU=ON	L73 AND PY>=2000
L75	2	SEA	ABB=ON	PLU=ON	L73 NOT L74
L76	2	SEA	ABB=ON	PLU=ON	L75 NOT L64
		D	IBIB	ABS	1-2